

F5-2681-02-RFP02-1045; Amend 05
Central Lab & Office Building General Construction

The following questions with the answers are hereby incorporated into subject solicitation.

Question 1: At alternate areas, in the base bid are we to paint the exposed secondary steel at the extension wall, and delete painting of this material under the alternate?

Answer 1: The metal stud and drywall at the exterior wall should be installed under the base bid, even at the "alternate areas". This steel would not be exposed under base bid or alternate scenario.

Question 2: Reference drawing E8.20.42: A 36 strand cable is indicated from the Main Telephone Room on B2 level to Central Equipment Room on Level 1. Is this the same cable shown on Detail 1/E8.20.44 from "MTR" to the Front End Building which travels thru the "CER" and indicated as "by others"? If so, please advise who is to provide.

Answer 2: No, these are different cables. The CLO contractor shall provide fiber and cable between the Main Telephone Room and Central Equipment Room. A site-wide communications contractor will be responsible for providing fiber and cable outside of the CLO.

Question 3: Reference drawing E8.20.42: A 144 strand cable is indicated from the Information Technologies Room to Central Equipment Room. Is this the same cable shown on Detail 1/E8.20.44 between the same two rooms and indicated as "by others"? If so, please advise who is to provide.

Answer 3: No, these are different cables. The CLO contractor shall provide fiber and cable between the Main Telephone Room and Central Equipment Room. A site-wide communications contractor will be responsible for providing fiber and cable outside of the CLO.

Question 4: Reference drawing E8.20.44: Detail 1 indicates several cables "by others". Is this correct or should these be provided under this solicitation?

Answer 4: CLO contractor to provide fiber and cable within the CLO. A site-wide communication contractor will be responsible for providing fiber and cable outside of the CLO.

Question 5: Reference drawing E8.20.44 (detail 1) has several cables with the note "by others"; do "others" in this case mean our electrical subcontractor?

Answer 5: CLO contractor is responsible for providing fiber and cable within the CLO. A site-wide communications contractor will be responsible for providing fiber and cable outside of the CLO.

Question 6: Reference drawing E8.20.42 shows a 144-strand fiber from CER to the IT room. Drawing E8.20.44 shows a 144-strand fiber but lists it "by others". Are these the same cable? Are we to bid one 144-strand cable?

Answer 6: This is the same cable. CLO contractor is responsible for providing fiber and cable within the CLO. A site-wide communications contractor will be responsible for providing fiber and cable outside of the CLO.

Question 7: Reference structural drawing S2.B1.62 – Please provide section/details of the concrete "fascia" referred to in Detail 15/A5.30.40 (which frames in the EIFS soffit) between/beneath the planters and along the W12x19 beam at approximately "14.3" line.

Answer 7: The fascia is an 8" thick wall segment spanning between cross walls at bottom of concrete elevation 76'-1".

The top of concrete elevation shall match adjacent concrete paving.

The exterior face is to be Architectural finished concrete with reveals. The wall segment is to be reinforced with a single layer of #5 @ 12" each way. Dowels connecting to the adjacent metal deck structural slab shall be #4 x 1'-2" x 1'-2" 90 degree hooked bars @ 16" o.c.

Question 8: RESERVED

Question 9: Reference drawing E4.01.62, at Column B-16, please advise circuitry for VAV-CL-101.

Answer 9: These are non-electric mechanical devices.

Question 10: Reference drawing C2.35.02: Details indicate railings to be painted steel. Layout Note #13 indicates railings to be stainless steel. Please advise.

Answer 10: The railings are stainless steel.

Question 11: Reference drawing A2.03.64: Plan indicates sun screen at/below the roof over the Level 2 Control Room, but does not appear in any sections or elevations of this area. Please advise.

Answer 11: The sunscreens have been eliminated from the project.

Question 12: Reference Specification Section 08331: a) Please advise which overhead coiling doors are to be insulated, b) Please advise which doors are to receive slide bolt locks and which are to receive cylinder locks, c) Please advise jamb, head and sill details for interior overhead doors, d) Please advise if Wayne Dalton-Kinnear is acceptable as equal for overhead door manufacturer.

Answer 12A: Doors B1-3-57B, B1-3-57C, B1-3-57D and B1-3-57E are to be insulated.

Answer 12B: All doors are to receive cylinder locks.

Answer 12C: The head and jamb details are manufacturer's standard.

Answer 12D: Please provide information regarding Wayne Dalton-Kinnear for review.

Question 13: Reference Specification Section 11160: a) Please advise dimension for lip extension on levelers (16" or 20"), b) Standard head pads for 9'-2" doors is 12", not 18" as specified. Please confirm that 18" is required, c) Please advise if Poweramp is acceptable as equal for manufacturer of bumpers, levelers, restraints and seals.

Answer 13A: 15" is the standard dimension, and should be provided.

Answer 13B: Manufacturer's standard should be provided.

Answer 13C: Please provide information regarding Poweramp for review.

Question 14: Reference Specification Section 09900: Please advise which items are to receive application of exterior metallic polyurethane finish.

Answer 14: All GFRC column covers receive this application.

Question 15: Please advise which areas/items are to receive interior semi gloss epoxy finish.

Answer 15: Laboratory walls, doors and frames.

Question 16: Please advise schedule/narrative for delineation of areas/items and their associated paint finish (flat vs. eggshell vs. semi gloss acrylic/enamel).

Answer 16: Walls (Offices, etc.): Eggshell
Doors and Frames: Semi gloss

Question 17: Specification indicates to paint all exposed bare and covered pipes and ducts and supports (Paragraph 1.2.B.1). Finish schedule note #1

(Drawings A7.10.40 thru A7.10.43) indicates "Utilities not painted unless indicated by Mechanical, Electrical or Plumbing Specifications". Exterior gas line and Target Building Sprinkler Piping are addressed in the MEP specifications, but nothing else.

Answer 17: Do not paint electrical utilities unless indicated.

Question 18: Please clarify/expound on desired painting of mechanical and electrical items.

Answer 18: Do not paint electrical utilities unless indicated.

Question 19: Please advise which paint is to be used on fireproofing materials.

Answer 19: The requirement for the paint finish is to match adjacent finishes. Interior acrylic paint finish with the sheen to match adjacent construction. If epoxy is used in the area, then the epoxy paint finish can be used.

Question 20: Please provide specification for quarry tile in Servery/Kitchen.

Answer 20: Unglazed Quarry Tile: Square-edged flat tile as follows:

1. Wearing Surface: Nonabrasive, textured.
2. Facial Dimensions: 8 by 8 inches.
3. Thickness: 1/2 inch.
4. Face: Pattern of design indicated
5. Basis-of-Design Product:
 - A. American Olean
 - B. Buchtal Corporation USA
 - C. Daltile
 - D. Metropolitan Ceramics
 - E. Summitville Tiles

Question 21: Detail 7/A3.30.40 indicates 6" foil faced insulation between the window head and the floor level above (below floor level 01 and 04). The details referenced (on sheets A8.20.40 & A8.20.41) do not indicate these types and/or thickness of insulation. Please advise which details are to be followed.

Answer 21: 6" foil faced insulation is required.

Question 22: Details 7/A3.30.40, 7/A3.30.41, 7/A3.30.42 indicate 5-1/4" thermafiber insulation w/vapor barrier between the window head and floor above and in some cases to the windowsill above (with either thermafiber or 6" foil faced batt). Details referenced do not show this condition. Please advise which details are to be followed.

Answer 22: 5-1/4" "Thermafiber" insulation is required as a fire stop between all slab edges and exterior walls.

Question 23: Detail 6/A3.30.43 indicates 5-1/4" thermafiber insulation above the eifs soffit at the exterior wall. Referenced details do not indicate this condition. Please advise which details are to be followed.

Answer 23: 5-1/4" "Thermafiber" insulation is required between slab edges and exterior walls.

Question 24: Reference Amendment 04, Question 79. Following is additional information.

Answer 24: EPS foam backfill in the area of storm drainage structures or piping shall be cut at the factory or in the field so that there is a minimum of 6" on all sides between the EPS foam backfill and storm drainage structures/pipes. Cutting in the field shall be performed with manufacturers approved equipment. The space between the EPS foam backfill and structure/piping shall be lined with a four-ounce non-woven geo-textile and filled with #57 stone.

Question 25: Reference Amendment 04, Question 45, 46, and 47. Following is additional information.

Answer 25: Use the unit price for 4000 psi concrete. Mix design and unit prices will be developed later.

Question 26: Reference Amendment 04, Question 97 and 137. Following is additional information.

Answer 26: Metal closure strips per specification 05310; Steel Deck as described in paragraph 2.2(c) and 3.2(g). For conditions 1' –2" or greater, use Detail 16, drawing S5.20.40.

Question 27: Reference Amendment 04, Question 144A. Following is additional information.

Answer 27: The railing is not ornamental; it will be supplied by Qualico and installed by the CLO general contractor. Railing is standard 1-1/2" steel pipe, painted.

Question 28: Reference Amendment 04, Question 144B. Following is additional information.

Answer 28: Yes, wall railing at stairs #1 through #4 shall be supplied by Qualico and installed by the CLO general contractor.

Question 29: Reference Amendment 04, Question 32. Following is additional information.

Answer 29: The scope of Dry Lab casework is limited to the sink area only.

Question 30: Reference Amendment 04, Question 55. Following is additional information.

Answer 30: Provide pricing with base bid for “roller shades” only. Requirement for “horizontal louver blinds” is hereby deleted.

Question 31: Reference Amendment 04, Question 81. Following is additional information.

Answer 31: No additional cabinets are required.

Question 32: Reference Amendment 04, Questions 85 and 109. Following is additional information.

Answer 32: The floor grilles in the access floor are to be furnished under Specifications Section 10270.

Question 33: Reference Amendment 04, Question 92. Following is additional information.

Answer 33: Assume that door CL-B1-3-43D is identical to door CL-B1-3-61.

Question 34: Reference Amendment 04, Questions 129 and 130. Following is additional information.

Answer 34: Casework elevations will be confirmed during submittal process.

Question 35: Reference Amendment 04, Question 145. Following is additional information.

Answer 35: Assuming an aluminum tube frame, the reinforcing within the tube would be attached to the deck above, and knee-braced as required (the CLO general contractor is required to submit calculations regarding the structural aspects of the window supports).

Question 36: Reference Amendment 04, Question 149. Following is additional information.

Answer 36: Both railings are to be stainless steel.

Question 37: Reference Amendment 04, Question 153. Following is additional information.

Answer 37: The tread portion of the pan is stainless steel.

Question 38: Reference Amendment 04, Questions 158 and 159. Following is additional information.

Answer 38: Sound batt will be required where identified in answer 159 of Amendment 04.

Question 39: Reference Amendment 04, Question 179. Following is additional information.

Answer 39: Canopy "B" is no longer a part of this project. It was in Sector 66.

Question 40: On feeder schedule, shows feeder #1111. Riser #1 to B163C. Cannot locate.

Answer 40: Delete feeder #1111 and panel B163C from feeder schedule on Drawing E9.40.40.

Question 41: On feeder schedule, shows feeder #1234. 1T2A to disconnect. Cannot locate.

Answer 41: Delete feeder #1234 and 1T2A disconnect switch from feeder schedule on Drawing E9.40.40.

Question 42: On feeder schedule, shows feeder #3113. Cannot locate.

Answer 42: Delete feeder #3113 from feeder schedule on Drawing E9.40.42.

Question 43: On feeder schedule, shows feeder #3612. Cannot locate.

Answer 43: Delete feeder #3612 from feeder schedule on Drawing E9.40.42.

Question 44: On feeder schedule, shows feeder #3613. Cannot locate.

Answer 44: Delete feeder #3613 from feeder schedule on Drawing E9.40.42.

Question 45: On feeder schedule, shows feeder #3620, transformer B2T6A and panel B2RB. Cannot locate.

Answer 45: Delete feeder #3620, transformer B2T6A and panel B2RB from feeder scheduler on Drawing E9.40.42.

Question 46: In electrical closed B1-3-61, shows panel B1L1C. Does this panel exist and if it does we need to add a bus duct disconnect to riser #3 and added to panel schedule.

Answer 46: Delete panel B1L1C from electrical closet B1-3-61 on Drawing E8.10.40.

Question 47: Reference Drawing A6.B1.61 (and .A1): Are the ceilings in Gallery, Dining Room and Lobby indicating reveals (to match polished floor joints)? If so, are these 3/8" joints similar to wall joints?

Answer 47: The lines indicated on the ceiling are 3/8" reveals, similar to the 3/8" wall joints.

Question 48: Reference Drawing A6.03.61: Please advise ceiling material in the Lobby 1-1-15. Appears to be acoustical along the exterior wall, drywall over Stair #6 and unidentified elsewhere.

Answer 48: The ceiling material in Lobby 1-1-5 is: Acoustical Tile along the exterior wall; Gypsum Board in the oval over Stair #6; Gypsum Board elsewhere.

Question 49: Please provide section thru Stair #6 to help clarify associated ceilings. Ceiling at B1 level appears to have multiple soffits/fascia. Is the oval ceiling at Level 03 at the same elevation as the balance of ceiling in this area?

Answer 49: See Detail/Section 4, Drawing A5.30.44: The oval gypsum board soffit at the B1 Level ceiling containing down lights is at the same elevation as the surrounding gypsum board ceiling. The oval gypsum board ceiling at the 03 Level ceiling is at the same level as the surrounding gypsum board ceiling.

Question 50: At locations where reveals are detailed in rated metal stud/drywall partitions, an additional layer of drywall will need to be provided in order to maintain rating. Is this the design intent?

Answer 50: Yes.

Question 51: Reference Section 03450: Are the precast treads and landings to match the polished concrete floors in color?

Answer 51: Yes.

Question 52: Reference Section 07811: Please confirm that desired fireproofing material is to be a "concealed" type (lower density) application regardless of a concealed or exposed condition/location.

Answer 52: The fireproofing material is to be a "concealed" type application.

Question 53: Reference Drawing H6.10.11: Please advise which coil details apply to each air handling unit. Schedule does not indicate coil configuration for each unit.

Answer 53: Details 16 and 17, Drawing H6.10.11 apply.

Question 54: What detail should be used in the blocking of cabinets, accessories, etc. Detail 1A &B/A7.20.40 (Typical Stud Wall Backing) shows 16 Gage Metal Plate or 16 GA Track Backing. This conflicts with Detail 3/A9.70.40 (Detail Typical Blocking) contains FR Wood-Blocking inside 20 Gage studs.

Answer 54: Details 1A and 1B, Drawing A7.20.40 are to be utilized in toilet rooms, stairs and other general-purpose applications. Detail 3, Drawing A9.70.40 is to be utilized for casework and Interior Architectural Woodwork applications.

Question 55: Also note at 1B/A7.20.30 calls for 16 gauge studs at each end of the piece of 16gauge blocking. Should we include 16 gauge wall studs at all locations? Can you specify the locations or items to receive this extra heavy wall system? Since it is specified by lbs/ft loading leaving the determination of locations up to some guess work on our part.

Answer 55: Install studs per drawings and specifications.

Question 56: Is load-bearing light gauge framing required as secondary support of manufactured wall panels type 1A and 1B? Details on A8.20.40 and A8.20.41 call for metal panels on 6" tube steel (i.e., Dtls 1 and 18 on A8.20.40) but know spacing of tubes is indicated.

Answer 56: Light gauge steel framing is not required as a secondary support of manufactured wall panels. This framing is for gypsum board construction.

Question 57: Details 4,7A/8.20.40 show 3 5/8" mtl framing between 6" tubes. Is this typical for all windowsill construction?

Answer 57: The metal framing is behind all metal panel construction to facilitate gypsum board construction.

Question 58: Detail 42A/8.20.40 0 shows 6" lg stud framing. Is this typical for shades pocket conditions only or all window head details?

Answer 58: This detail applies at all window head conditions.

Question 59: Page A2.02.61 – Room numbers are not shown to correspond with finish schedule.

Answer 59: The room numbers were inadvertently omitted from this plan. The Room Finish Schedule designations are correct.

Question 60: Room CL-1-4-128 Vestibule: Plans show a walk off mat and finish schedule calls for VCT with resilient base. Which is correct?

Answer 60: Walk-off mat is required.

Question 61: Kitchen Equipment page K-4.1, each elevation shown on this page reference various details such as Dtl 4.10. There is no detail page in K drawings and there is not a page number given with the detail indications. Will these details be provided?

Answer 61: See page 3 of Amendment 05 herein. Kitchen equipment "standard details" are provided herein.

Question 62: Please indicate which coil hook-up details from drawing H6.10.11 is to be used for air handling units?

Answer 62: Details 16 and 17, Drawing H6.10.11 apply.

Question 63: Paragraph 1.1.B of Specification Section 02220, Structure Excavation, states " All excavation and backfill shall be in accordance with "Report of Phase III Geo-technical Exploration", performed by Law Engineering and issued June 7, 2000". Can you furnish a copy of Report - Phase III Geo-technical Exploration or make available on website?

Answer 63: See page 3 of Amendment 05 herein. The "Report of Phase III Geo-technical Exploration" is hereby provided.

Question 64: What is the haul distance (approximate) from the center of building pad to the on-site spoil area?

Answer 64: 1.0 mile.

Question 65: Is topsoil available on site? If so, what is the haul distance (approximate) from the on-site topsoil stockpile to the center of building pad?

Answer 65: Yes, 1/8 mile.

Question 66: Reference Section E, Summary of Work. Paragraph 1.3.C states "Perform work as required outside limits of construction shown on drawings to complete work". Can you be specific on what is required outside the limits of work? At least, please give a few examples.

Answer 66: The CLO general contractor may be required to lay back outside the construction limit during an excavation.

Question 67: Reference Section E, Summary of Work. Paragraph 1.3.C indicates all earthwork associated with the installation of all utility systems to be included in the contract. However, Paragraph 1.4.A calls for site utility systems from the five-foot building line to elsewhere on the project to be performed by others. Please clarify.

Answer 67: The "Utility" reference in the foundation drains (6" HDPE) and storm drain piping and structure. Reference Summary of Work, paragraph 1.3.E.

Question 68: The heavy-typeface storm drainage and foundation drain lines (HDPE piping) shown on civil drawings C3.35.01 through C3.35.06 are included in this contract. Is this correct?

Answer 68: Yes, See Summary of Work, paragraph 1.3.E.

Question 69: Reference Section H, Exhibit 13, Construction Labor Agreement Attachment 1. The wage rates are effective May 1, 2001. Do the rates expire May 1, 2002? If the wage rates are expired prior to the award date, what escalation on wage rates is anticipated?

Answer 69: Reference Construction Labor Agreement, Article X; Wage and Benefits. It states, "Future hourly wage rates and fringe benefit adjustments, effective May 1 of each succeeding year, will be determined by the Union/Management Administrative Committee using the average wage and fringe benefit adjustment as arrived at by the Construction Labor Research Council (CLRC) Southeast States Survey.